

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently Amended) An electromagnetic wave reception device comprising:

an input reception portion for detecting an input electromagnetic wave transmitted from a transmission terminal at a predetermined timing and receiving the input electromagnetic wave;

a lock control portion for unlocking or locking a lock mechanism according to the input electromagnetic wave received by the input reception portion; and

a timing change portion for changing a timing at which the input reception portion detects the input electromagnetic wave

wherein the timing change portion sets a frequency of the timing higher when input electromagnetic waves are detected a plurality of times for a predetermined period of time.

2. (Original) The electromagnetic wave reception device of claim 1, wherein the timing change portion changes the timing according to a time zone.

3. (Original) The electromagnetic wave reception device of claim 1, further comprising:

a position detection portion for detecting a position of the electromagnetic wave reception device;

wherein the timing change portion changes the timing according to the position detected by the position detection portion.

4. (Original) The electromagnetic wave reception device of claim 1, further comprising:

a history information generation portion for generating history information, which is information on a history of reception of the input electromagnetic wave by the input reception portion;

wherein the timing change portion changes the timing according to the history information.

5. (Original) The electromagnetic wave reception device of claim 4, wherein the history information generation portion generates history information of time when the input electromagnetic wave is received.

6. (Currently Amended) The electromagnetic wave reception device of claim 4, further comprising:

a_position detection portion for detecting a position of the electromagnetic wave reception device;

wherein the history information generation portion generates history information of a position where the input electromagnetic wave is received, according to the position detected by the position detection portion.

7. (Previously Presented) The electromagnetic wave reception device of claim 1, wherein at least the input reception portion is powered by a battery.

8. (Previously Presented) A vehicle comprising the electromagnetic wave reception device of claim 1.

9. (Original) The vehicle of claim 8, wherein at least the input reception portion is powered by a battery.

10. (Original) An electromagnetic wave transmission device comprising:

a switch;

a transmission portion for transmitting an electromagnetic wave for a predetermined period of time when the switch is turned on; and

a transmission control portion for controlling so as to transmit a second electromagnetic wave for a longer period of time than a first electromagnetic wave when the switch is turned on at least twice within a predetermined period of time.

11. (Currently Amended) A keyless entry system comprising:

an electromagnetic wave reception device installed in a vehicle comprising:

an input reception portion for detecting an input electromagnetic wave transmitted from a transmission terminal at a predetermined timing and receiving the input electromagnetic wave;

a lock control portion for unlocking or locking a lock mechanism according to the input electromagnetic wave received by the input reception portion; and

a timing change portion for changing a timing at which the input reception portion detects the input electromagnetic wave; and

an electromagnetic wave transmission device for transmitting a signal to the electromagnetic wave reception device,

wherein the timing change portion sets a frequency of the timing higher when input electromagnetic waves are detected a plurality of times for a predetermined period of time.

12. (Original) The keyless entry system of claim 11, wherein

the electromagnetic wave transmission device comprising:

a switch;

a transmission portion for transmitting an electromagnetic wave for a predetermined period of time when the switch is turned on; and

a transmission control portion for controlling so as to transmit a second electromagnetic wave for a longer period of time than a first electromagnetic wave when the switch is turned on at least twice within a predetermined period of time.

13. (Previously Presented) The electromagnetic wave reception device of claim 2, wherein at least the input reception portion is powered by a battery.

14. (Previously Presented) The electromagnetic wave reception device of claim 3, wherein at least the input reception portion is powered by a battery.

15. (Previously Presented) The electromagnetic wave reception device of claim 4, wherein at least the input reception portion is powered by a battery.

16. (Previously Presented) The electromagnetic wave reception device of claim 5, wherein at least the input reception portion is powered by a battery.

17. (Previously Presented) The electromagnetic wave reception device of claim 6, wherein at least the input reception portion is powered by a battery.

18. (Previously Presented) A vehicle comprising the electromagnetic wave reception device of claim 2.

19. (Previously Presented) A vehicle comprising the electromagnetic wave reception device of claim 3.

20. (Previously Presented) A vehicle comprising the electromagnetic wave reception device of claim 4.

21. (Previously Presented) A vehicle comprising the electromagnetic wave reception device of claim 5.

22. (Previously Presented) A vehicle comprising the electromagnetic wave reception device of claim 6.

23. (New) The electromagnetic wave reception device of claim 1, further comprising:

a clock portion for outputting a clock signal having a selected clock frequency among a plurality of clock frequencies, wherein:

the input reception portion detects the input electromagnetic wave at periodic intervals corresponding to the selected clock frequency of the clock signal,

the timing change portion changes the selected clock frequency at which the input reception portion detects the input electromagnetic wave, and

responsive to the input reception portion receiving the input electromagnetic wave a predetermined number of times in the predetermined period of time, the timing change portion changes a current clock frequency to a further clock frequency among the plurality of clock frequencies, as the selected clock frequency, the further clock frequency being a higher frequency than the current clock frequency.

24. (New) The electromagnetic wave reception device of claim 23, further comprising a switch, wherein responsive to the switch being turned on or off, the timing change portion changes the selected clock frequency to a highest clock frequency from among the plurality of clock frequencies.

25. (New) The keyless entry system of claim 11, wherein the electromagnetic wave reception device further comprises:

a clock portion for outputting a clock signal having a selected clock frequency among a plurality of clock frequencies such that: (1) the input reception portion detects the input electromagnetic wave at periodic intervals corresponding to the selected clock frequency of the clock signal, (2) the timing change portion changes the selected clock frequency at which the input reception portion detects the input electromagnetic wave, and (3) responsive to the input reception portion receiving the input electromagnetic wave a predetermined number of times in the predetermined period of time, the timing change portion changes a current clock frequency to a further clock frequency among the plurality of clock frequencies, as the selected clock frequency, the further clock frequency being a higher frequency than the current clock frequency.

26. (New) The keyless entry system of claim 25, wherein responsive to the vehicle being turned on or off, the timing change portion changes the selected clock frequency to a highest clock frequency from among the plurality of clock frequencies.